

Silviculture BMP Program Status in Southern States

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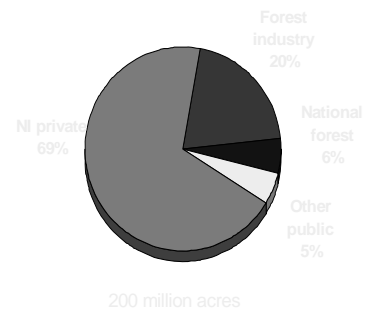
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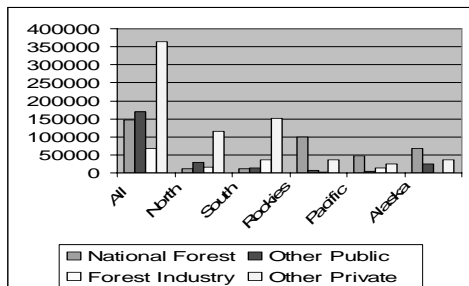
The Southern Forest Resource Assessment SUMMARY REPORT

David N. Wear and
John G. Greis

Forest Area and Ownership Southern 13 States



Forest land by ownership



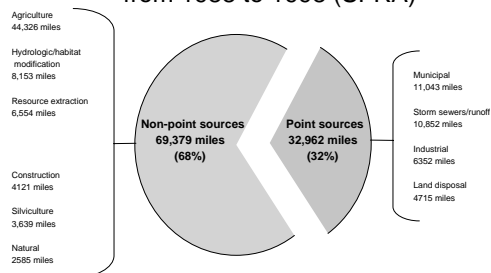
SFRA Findings:

- 5 Million Forest Landowners
- South produces:
 - 60% of nation's timber
 - 16% of world's timber
- More timber than any other region
- More timber than any other nation

SFRA Findings:

- Water and Aquatic Ecosystems
 - Exceptionally Diverse – Of Global Significance
 - More than 200 critically imperiled aquatic species occur in the South
 - Amphibians disproportionately imperiled
 - More than 65% of forested wetlands in coterminous US occur in the South
 - Greatest threat to water quality (and forests) in South is urbanization

Average contribution of point and nonpoint sources of pollution to impaired river miles from 1988 to 1998 (SFRA)



Silviculture BMP Program Characteristics in South

- First BMPs adopted in 1979
- All 13 states since early 1980's
- No pre-harvest permitting required in any state
- One state (VA) requires notification
- One state (KY) has mandatory BMPs
- Two states (FL, NC) partially regulatory
- Implementation Monitoring widespread but variable

Southern Group of State Foresters (SGSF) Implementation Monitoring Framework

- Adopted in 1999
- Focuses on BMP Implementation
- Emphasizes statistical validity
- Provides guidance for site selection
- Evaluates all applicable BMPs
- Requires Raw Score of % Implementation

BMP Implementation Monitoring (SFRA)

STATE	No. Surveys	Latest Implementation Rate	Latest Survey	Formal Agreements	Ownership Classes Reported	Comments
ALABAMA						
ARKANSAS						
FLORIDA						
GEORGIA						
KENTUCKY						
LOUISIANA	3	80% implementation, 100% implementation	1997	yes	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	no professional assistance increased BMP implementation
MISSISSIPPI						
NORTH CAROLINA	2	100%	1995	yes	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	BMP implementation increased
OKLAHOMA						
SOUTH CAROLINA	3	75% implementation, 100% implementation	1997	yes	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	no professional assistance increased BMP implementation
TENNESSEE						
TEXAS						
VIRGINIA	10	75% implementation, 100% implementation	1995	yes	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	no professional assistance increased BMP implementation

Southern Group of State Foresters Response

- Establish a Water Resources Committee to Coordinate Programs
- Improve consistency of BMP monitoring
- Commission a BMP program assistance and review process



Cooperative Review Process

- 21/2 Days in Length
- Voluntary (By Invitation Only)
- Team of 3 Reviewers (2 States, 1 USFS)
- ½ day in office; 1 day in field; Closeout
- Report of Findings/Recommendations



Review Elements

1. Lead BMP Program Forester/Hydrologist
2. BMP Education (Loggers, Foresters, Others)
3. Complaint/Conflict Resolution Process
4. Relations/Cooperation with Pertinent Agencies
5. Institutional Arrangements -Defined Responsibilities
6. Compliance with SGSF Framework
7. Follow-up Actions
8. Effectiveness Monitoring
9. Funding

Key Findings

- All 13 states took part in process
- 11 have PFT Lead BMP Foresters (40 total)
- Logger training widespread; not so for consultants, landowners, others
- 8 conformed to SGSF Framework (3 more in progress)
- 7 have formal institutional arrangements with other agencies

Key Findings

- Relationships with other agencies/groups generally strong
- 9 have conducted effectiveness monitoring
- 11 have received Section 319 funding recently (amounts vary significantly)
- States vary in their ability to institutionalize the BMP program; still depend heavily on Section 319 Grants

Other Observations

- Desire for non-regulatory approach remains strong
- Industry SFI program has had strong positive influence
- Industry ownership decline - continued SFI influence?
- Commitment of new owners to BMPs to be determined
- HFRA Watershed Assistance Program not funded
- Pollution load reduction estimates being requested
- State Foresters priority on BMPs stronger than ever

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